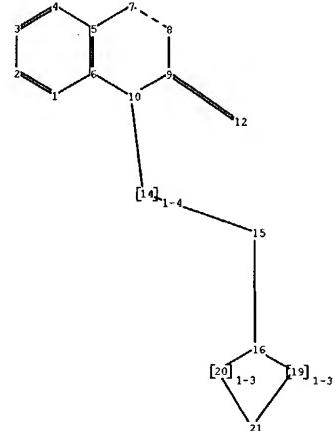
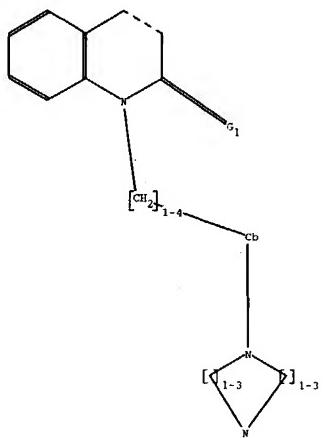


C:\stnweb\Queries\4.str



chain nodes :

12 14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10 16 19 20 21

chain bonds :

9-12 10-14 14-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-19 16-20 19-21 20-21

exact/norm bonds :

5-7 6-10 7-8 8-9 9-10 9-12 16-19 16-20 19-21 20-21

exact bonds :

10-14 14-15 15-16

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 12:CLASS
14:CLASS 15:Atom 16:Atom 19:Atom 20:Atom 21:Atom

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| <u>NEWS</u> 3 | May 12 | EXTEND option available in structure searching |
| <u>NEWS</u> 4 | May 12 | Polymer links for the POLYLINK command completed in REGISTRY |
| <u>NEWS</u> 5 | May 27 | New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| <u>NEWS</u> 6 | May 27 | CAplus super roles and document types searchable in REGISTRY |
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| <u>NEWS</u> 10 | Jul 30 | BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting |
| <u>NEWS</u> 11 | AUG 02 | IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields |
| <u>NEWS</u> 12 | AUG 02 | CAplus and CA patent records enhanced with European and Japan Patent Office Classifications |
| <u>NEWS</u> 13 | AUG 02 | STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting |
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| <u>NEWS</u> 19 | SEP 01 | New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! |
| <u>NEWS</u> 20 | SEP 01 | New display format, HITSTR, available in WPIDS/WPINDEX/WPIX |
| <u>NEWS</u> 21 | SEP 14 | STN Patent Forum to be held October 13, 2004, in Iselin, NJ |

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

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STRUCTURE FILE UPDATES: 13 SEP 2004 HIGHEST RN 744170-41-0
DICTIONARY FILE UPDATES: 13 SEP 2004 HIGHEST RN 744170-41-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

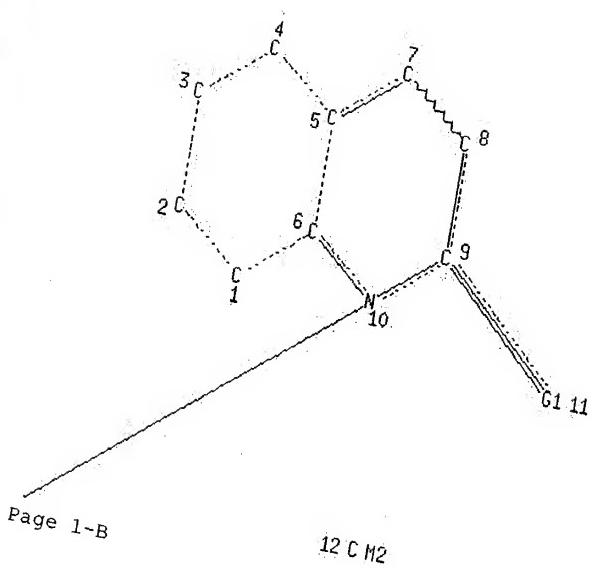
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

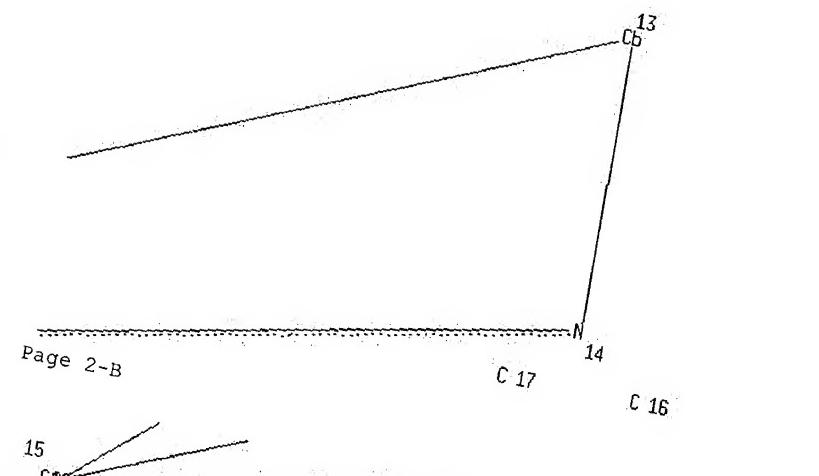
Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
0 21 \$ 22



Page 2-A



Page 2-B

14

C 17

C 16

Page 3-A

15

20

G 20



Page 3-B

VAR G1=21/22

REP G18=(1-3)

17-14 17-18

REP G19=(1-3)

16-14 16-18

REP G20=(1-4)

12-10 12-13

NODE ATTRIBUTES:

HCOUNT IS M2

NSPEC IS R AT 12

NSPEC IS R AT 1

NSPEC IS R AT 2

NSPEC IS R AT 3

NSPEC IS R AT 4

NSPEC IS R AT 5

NSPEC IS R AT 6

NSPEC IS R AT 7

NSPEC IS R AT 8

NSPEC IS R AT 9

NSPEC IS C AT 10

NSPEC IS C AT 11

NSPEC IS C AT 12

NSPEC IS R AT 13

NSPEC IS C AT 14

NSPEC IS R AT 15

NSPEC IS R AT 16

NSPEC IS R AT 17

NSPEC IS R AT 18

NSPEC IS R AT 19

NSPEC IS R AT 20

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 12 21 22

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 10

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 14:37:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8889 TO ITERATE

11.2% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 172131 TO 183429
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 14:37:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 179696 TO ITERATE

100.0% PROCESSED 179696 ITERATIONS
SEARCH TIME: 00.00.04

L3 0 SEA SSS FUL L1

=>

SALES PERSON: 53
CUSTOMER NBR: 035353

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MEQZTW

DATE: 14 SEP 04
PAGE: 01

TO: 4025 CONNECTICUT AVE NW
APT 305
WASHINGTON DC 20008
202-248-1812-H
571-273-0692-F

FOR: ROBINSON/BINTA M

04 OCT 04 - MONDAY

AIR UNITED AIRLINES FLT:932 ECONOMY MULTI MEALS
LV WASHINGTON DULLES 935P EQP: BOEING 777
07HR 55MIN

05 OCT 04 - TUESDAY

AR FRANKFURT 1130A NON-STOP
ARRIVE: TERMINAL 1 REF: ZLS1SC
AIR UNITED AIRLINES FLT:8802 ECONOMY SNACK
FRANKFURT-ROME FIUMICINO OPERATED BY LUFTHANSA
LV FRANKFURT 230P EQP: AIRBUS A321
DEPART: TERMINAL 1 01HR 35MIN
AR ROME FIUMICINO 405P NON-STOP
ARRIVE: TERMINAL B DOM-SCHENGEN REF: ZLS1SC

17 OCT 04 - SUNDAY

AIR LUFTHANSA FLT:3853 ECONOMY REFRSHMNT/COMP
LV ROME FIUMICINO 705A EQP: AIRBUS A321-200
DEPART: TERMINAL B DOM-SCHENGEN 02HR 00MIN
AR FRANKFURT 905A NON-STOP
ARRIVE: TERMINAL 1 REF: 2MZ6N4
AIR LUFTHANSA FLT:418 ECONOMY MEALS
LV FRANKFURT 120P EQP: BOEING 747
DEPART: TERMINAL 1 08HR 30MIN
AR WASHINGTON DULLES 350P NON-STOP
REF: 2MZ6N4

CONTINUED ON PAGE 2

SALES PERSON: 53
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|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.84 | 1.05 |

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| FULL ESTIMATED COST | SINCE FILE ENTRY | TOTAL SESSION |
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| 0.84 | 1.05 | |

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| => file hcaplus | COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST | | 0.42 | 1.47 |

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FILE COVERS 1907 - 14 Sep 2004 VOL 141 ISS 12
 FILE LAST UPDATED: 13 Sep 2004 (20040913/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 5-hydroxytryptamine () modulat?
5695465 5
  18916 HYDROXYTRYPTAMINE
  69 HYDROXYTRYPTAMINES
  18939 HYDROXYTRYPTAMINE
    (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
  18103 5-HYDROXYTRYPTAMINE
    (5(W) HYDROXYTRYPTAMINE)
  294348 MODULAT?
L1      13 5-HYDROXYTRYPTAMINE (W) MODULAT?
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```
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  4575 MEMORIES
  102486 MEMORY
    (MEMORY OR MEMORIES)
  379937 DISORDER?
    483 MEMORY (W) DISORDER?
L2      0 L1 AND MEMORY (W) DISORDER?
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  4575 MEMORIES
  102486 MEMORY
    (MEMORY OR MEMORIES)
L3      0 L1 AND MEMORY
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 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5(W) HYDROXYTRYPTAMINE)
 362282 LIGAND?

L4 2 5-HYDROXYTRYPTAMINE (W) LIGAND?

=> s l4 and memory
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 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)

L5 0 L4 AND MEMORY

=> s l4 and review/dt
 1757375 REVIEW/DT
 L6 0 L4 AND REVIEW/DT

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L1 13 S 5-HYDROXYTRYPTAMINE () MODULAT?
 L2 0 S L1 AND MEMORY () DISORDER?
 L3 0 S L1 AND MEMORY
 L4 2 S 5-HYDROXYTRYPTAMINE () LIGAND?
 L5 0 S L4 AND MEMORY
 L6 0 S L4 AND REVIEW/DT

=> s l1 and review/dt
 1757375 REVIEW/DT
 L7 1 L1 AND REVIEW/DT

=> d l7, ibib abs, 1

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Article
 Text References

ACCESSION NUMBER: 1983:83656 HCAPLUS
 DOCUMENT NUMBER: 98:83656
 TITLE: Noradrenaline and 5-hydroxytryptamine modulation
 of brain dopamine function: implications for the
 treatment of Parkinson's disease
 AUTHOR(S): Jenner, P.; Sheehy, M.; Marsden, C. D.
 CORPORATE SOURCE: Med. Sch., King's Coll. Hosp., London, UK
 SOURCE: British Journal of Clinical Pharmacology (1983),
 15(Suppl. 2), 277-89
 CODEN: BCPHBM; ISSN: 0306-5251
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 AB A review and discussion with 68 refs. on the effect of noradrenaline
 [51-41-2] and serotonin [50-67-9] on brain dopamine [51-61-6] function

and the implications of such effects for parkinsonism treatment.

=> d his

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FILE 'REGISTRY' ENTERED AT 16:22:40 ON 14 SEP 2004

FILE 'HCAPLUS' ENTERED AT 16:22:47 ON 14 SEP 2004

L1 13 S 5-HYDROXYTRYPTAMINE () MODULAT?
 L2 0 S L1 AND MEMORY () DISORDER?
 L3 0 S L1 AND MEMORY
 L4 2 S 5-HYDROXYTRYPTAMINE () LIGAND?
 L5 0 S L4 AND MEMORY
 L6 0 S L4 AND REVIEW/DT
 L7 1 S L1 AND REVIEW/DT

=> s 5-hydroxytryptamine () ligand?

5695465 5
 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5 (W) HYDROXYTRYPTAMINE)
 362282 LIGAND?

L8 2 5-HYDROXYTRYPTAMINE (W) LIGAND?

=> s l8 and review/dt

1757375 REVIEW/DT
 L9 0 L8 AND REVIEW/DT

=> s 5-hydroxytryptamine () inhibit?

5695465 5
 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5 (W) HYDROXYTRYPTAMINE)
 1681399 INHIBIT?

L10 44 5-HYDROXYTRYPTAMINE (W) INHIBIT?

=> s l10 and memory () disorder?

101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)

379937 DISORDER?
 483 MEMORY (W) DISORDER?

L11 0 L10 AND MEMORY (W) DISORDER?

=> s l10 and memory

101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)

L12 O L10 AND MEMORY

=> s l10 and review/dt

1757375 REVIEW/DT

L13 1 L10 AND REVIEW/DT

=> d l13, bibb abs, i

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

FULL ABSTRACT
 Text REFERENCES

ACCESSION NUMBER: 1978:99370 HCAPLUS
DOCUMENT NUMBER: 88:99370
TITLE: Histamine and **5-hydroxytryptamine - inhibition**
of transmitter release mediated by H₂- and
5-hydroxytryptamine receptors
AUTHOR(S): McGrath, Michael A.; Shepherd, John T.
CORPORATE SOURCE: Dep. Physiol. Biophys., Mayo Clin. and Mayo Found.,
Rochester, MN, USA
SOURCE: Federation Proceedings (1978), 37(2), 195-8
CODEN: FEPRA7; ISSN: 0014-9446
DOCUMENT TYPE: Journal; **General Review**
LANGUAGE: English
AB A review with 36 refs. suggesting that the vasodilatation caused by
histamine [51-45-6] and 5-hydroxytryptamine [50-67-9] may be due, at
least in part, to their inhibitory action on adrenergic neurotransmission.
The mediation of H₂- and 5-hydroxytryptamine receptors in this inhibition
is also discussed.

=>